

TITLE: Christmas Bulb Structure

BACKGROUND OF THE INVENTION

5 A conventional Christmas bulb structure is provided with a pair of
conducting wire in the bulb wherein a filament is connected with the
two conducting wires. Another fuse is also provided in the bulb, which
is parallel to the filament and is connected with the two conducting
wires for maintaining electrical connection if the filament is burned
out. An improved design is to provide with two parallel filaments (12)
between the two conducting wires (11) in the bulb (1), as shown in
figure 1. That keeps the bulb (1) lighting when one filament (12) is
burned out under the other one still working and increases the using
period for the bulb (1). But in truth, as one filament (12) is burned
out, the other filament (12) in the bulb (1) will be burned out very soon
because of the suddenly increasing electric current. The rest only one
15 fuse in the bulb (1) provides the same effect of electrical connecting as
a prior art structure.

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The primary object of the present invention is to provide a
Christmas bulb structure, which is provided with two parallel fuses for
connecting to obtain a better rate in manufacturing of the bulb and
lengthen the using period of the bulb. Now the features and advantages
20 of the present invention will be described in detail with reference to
the accompanying drawings.

BRIEF DESCRIPTION OF ACCOMPANYING DRAWINGS

Figure 1 is a perspective view of a conventional Christmas bulb
25 with two filaments therein.

Figure 2 is a perspective view of a Christmas bulb structure according to the present invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring to the figure 2, the present invention is to provide an improved Christmas bulb (1), which includes a pair of conducting wire (11) in the bulb (1). A filament (12) and two fuses (13) are connected between the two conducting wires (11) in parallel. Due to the two fuses are provided in the bulb (1) of the present invention, the well rate of the manufactured bulb will be better than before. It is known that about 10 percent of a light bulb string assembled with prior bulbs will be unable to working. The rate will be reduced to one percent under double fuses according to this invention that provides a perfect effect.

Furthermore, the bulb of the present invention has two fuses to protect the light bulb string being actually electrical connecting in use. So it also lengthens the used period of the string. It is to be understood that an expectedly modification can be completed easily and will be claimed in this invention, such as to increase a third fuse or more in the bulb. Evidently the invention has the essence of a patent. We hereby apply for a patent grant.